

SEQUENCE LISTING

<110> Cao, Liangxian  
Trifillis, Panayiota

<120> METHODS FOR IDENTIFYING COMPOUNDS THAT MODULATE UNTRANSLATED REGION-DEPENDENT GENE EXPRESSION AND METHODS OF USING SAME

<130> 10589-012-999

<140> US 10/543,033  
<141> 2004-01-21 (371c date)

<150> PCT/US2004/001643  
<151> 2004-01-21

<150> 60/441,637  
<151> 2003-01-21

<160> 90

<170> PatentIn version 3.2

<210> 1  
<211> 14  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: consensus G-quartet element from synthetic sequences

<220>  
<221> misc\_feature  
<222> 3, 7, 8, 11  
<223> n = a, t, c, or g

<220>  
<221> misc\_feature  
<222> (7)..(8)  
<223> This represents one form of the sequence as described, other forms described may have up to five nucleotides in this variable region

<400> 1  
ggntggnnngg ntgg

14

<210> 2  
<211> 14  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic G-quartet oligonucleotide

<220>  
<221> misc\_feature  
<222> 3, 4, 7, 8, 11, 12  
<223> n = a, t, g or c

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<220>
<221> misc_feature
<222> 3, 4, 7, 8, 11, 12
<223> This represents one form of the sequence as described, other forms
      described have longer variable regions, typical is 2 - 10
      nucleotides

<400> 2
      ggnnggnngg nngg                                         14

<210> 3
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Antisense minus uORF NcoI primer

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      g                                         61

<210> 4
<211> 19
<212> RNA
<213> Oryctolagus cuniculus

<220>
<223> subunit of 15-LOX-DICE

<400> 4
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<211> 152
<212> DNA
<213> Homo sapiens

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      gacgccacat cccctgacaa gctgccaggc agttcttctt cctctcacat actgaccac   120
      ggctccaccc tctctccctt ggaaaggaca cc                                         152

<210> 6
<211> 792
<212> DNA
<213> Homo sapiens

<400> 6
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      ccctccttca gacaccctca acctttctt gtcaaaaag agaattgggg gcttagggtc   120
      ggaacccaag cttagaactt taagcaacaa gaccaccact tcgaaacctg ggattcagga   180
      atgtgtggcc tgcacagtga attgtggca accactaaga attcaactg gggctccag   240
      aactcactgg ggcctacagc tttatccctt qacatctggg atctggagac cagggagct   300
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<212> RNA	
<213> Homo sapiens	
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<223> Group I AU-Rich element (ARE) cluster of 3'untranslated region	
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auuuuuuuau uuauuuuuuu a	21
<210> 8	
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<400> 8	
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<210> 9	
<211> 289	
<212> DNA	
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accctgatac aggcatggca gaagaatggg aatattttat actgacagaa atcagtaata	180
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<213> Artificial Sequence	
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<223> Description of Artificial Sequence: Expression Vector pCMRI	
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 <212> DNA  
 <213> Homo sapiens

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47

<210> 12  
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<212> DNA
<213> Homo sapiens

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<210> 13
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<212> RNA
<213> Homo sapiens

<220>
<223> Group III AU-Rich element(ARE) cluster of 3'untranslated region

<220>
<221> misc_feature
<222> (1)..(15)
<223> n = a, u, g or c

<400> 13
nauuuauuuua uuuan                                         15

<210> 14
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<213> Homo sapiens

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<210> 16
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<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Expression Vector pCMR2

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<212> DNA

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gacttctgtct	ggcatcaaga	ggtgggaggg	ccctccgacc	acttcaggg	gaacctgc	120
tqccaggaac	ctgtcctaag	gaaccttcct	tcctgttga	gttccagat	ggctgaaagg	180
gttccagcct	cgttgaaaga	ggaacagcac	tggggagtc	ttgtggattc	tgaggccctg	240

cccaatgaga	ctctagggtc	cagtggatgc	cacagccccag	cttggccctt	tccttccaga	300
tcctgggtac	tgaaacctt	agggaaagctg	gcctgagagg	ggaagcggcc	ctaagggagt	360
gtcttaagaac	aaaagcgacc	cattcagaga	ctgtccctga	aacctagtagc	tgccccccat	420
gaggaaggaa	cagaatggt	gtcagtatcc	aggcttgta	cagagtgcct	ttctgtttag	480
tttttacttt	tttttgtttt	ttttttaaa	gacgaaataa	agaccagg	gagaatgggt	540
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tatattttgg	aaaa					614
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<223>	Description of Artificial Sequence: Primer 1 for amplify VEGF 5'UTR					
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aaagtgcacg	taatcgcgga	ggcttgggc	agccgg			35
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<223>	Description of Artificial Sequence: Primer 2 for amplify VEGF 5'UTR					
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tttgcgactg	gtcagctgcg	ggatccaaag				30
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aagtgcacgt	aagagctcca	gagagaagtc	gag			33
<210>	72					
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<210>	73					
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<213>	Artificial Sequence					

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<220>
<223> Description of Artificial Sequence: Primer 5 for amplify VEGF 3'UTR

<400> 73
gccgggcagg aggaaggagc ctccctcagg gtttgggga 39

<210> 74
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer 6 for amplify VEGF 3'UTR

<400> 74
ctgcactaga gacaaagacg tcatgttaat 30

<210> 75
<211> 66
<212> DNA
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<220>
<223> Description of Artificial Sequence: Polylinker

<400> 75
gaacaaatgt cgacgggggc ccctaggaga tctagcgctg gatccccgg ggagctcaug 60
gaagac 66

<210> 76
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer for luciferase
amplification

<400> 76
cggtgttggg cgcgttattt atcggagttg 30

<210> 77
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer for luciferase
amplification

<400> 77
ttggcgaaga atgaaaatag ggttggta 30

<210> 78

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<211> 22
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer for GAPDH amplification

<400> 78
ggtaagggtc ggagtcaacg ga 22

<210> 79
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
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<400> 79
gagggatctc gtcctggaa g 21

<210> 80
<211> 55
<212> DNA
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<220>
<223> Description of Artificial Sequence: 5'UTR forward oligo

<400> 80
aaagtcgacg taaccgccag atttgaatcg cgggaccgt tggcagaggt ggcgg 55

<210> 81
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5'UTR reverse oligo

<400> 81
aaaggatccg ggcaacgtcg gggcacccat gccgcccgg ccacctctgc caac 54

<210> 82
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 3'UTR forward oligo

<400> 82
aaagcggcccg cggcctctgc cggagctgcc tggtcccaga 40

<210> 83
<211> 37

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 3'UTR reverse oligo

<400> 83
aaatctagac tcaggaacag ccgagatgac ctccaga 37

<210> 84
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SL top oligonucleotide

<400> 84
ctagaagctt agggccgcgg atccgcgcgc ggttcgccgc gcgcggatcc gcggtagcaa 60
gttagtc 67

<210> 85
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: SL bottom oligonucleotide

<400> 85
gactaagctt gctaccgcgg atccgcgcgc ggcgaaccgc gcgcggatcc gcggccctaa 60
gcttctag 68

<210> 86
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer (Sense/HindIII)

<400> 86
caagaagctt gcgcgcggcc ccccacccct cg 32

<210> 87
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer (Antisense/NcoI)

<400> 87
agcccatggc gtcactgct gtcggcccc c 31

<210> 88

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<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer (Sense/BglIII)

<400> 88
agactctgaa ccagaaggcc aa 22

<210> 89
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer (Antisense/KpnI)

<400> 89
ctcgggtacca gtttccaaa atatatggc aaatgg 36

<210> 90
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: sense minus uORF HindIII primer

<400> 90
cccaagctc gcgcggccccc cccccccct cgcgaccc cgcgccccgc gccctccc 58
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